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36-3163: Anti-Band III Monoclonal Antibody(Clone: Q1/156)

Clonality :	Monoclonal
Clone Name :	Q1/156
Application :	ELISA,IF,WB
Reactivity :	Human
Gene :	SLC4A1
Gene ID :	6521
Uniprot ID :	P02730
Alternative Name :	AE1; Anion exchange protein 1; BND3; CD233; DI; Diego blood group; EMPB3; EPB3; Erythrocyte membrane protein band 3; Erythroid anion exchange protein; FR; Froese blood group; RTA1A; SLC4A1; Solute carrier family 4 member 1; SW; Swann blood group; Waldner blood group; WD1; WR; Wright blood group antibody
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Human fetal liver cells.

Description

Band 3, also designated AE1, is an erythrocyte membrane glycoprotein that contributes to cell stuctural integrity and mediates exchange of chloride and bicarbonate across the phospholipid bilayer. The diverse functions of the approximately 900 amino acid protein are mediated by two distinct domains. The amino-terminal domain, also known as cdb3 for cytoplasmic domain of erthrocyte membrane band 3, acts as an attachment site for the erythrocyte skeleton by binding ankyrin. The carboxy-terminal, membrane-associated domain carries out exchange transport of anions. Degradation of band 3 can generate an aging antigen known as senescent cell antigen, or SCA, which is expressed on old cells and marks them for removal by the immune system. An isoform of band 3, which lacks the first 65 amino acids and does not bind ankryin, is expressed in kidney.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

ELISA (For coating, order antibody without BSA); Immunofluorescence (1-2ug/ml); Western Blot (1-2ug/ml);

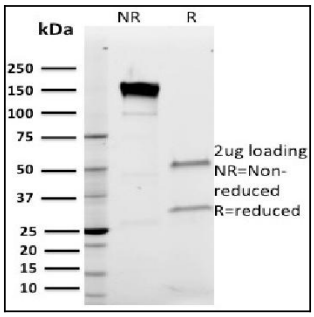


Fig. 1: SDS-PAGE Analysis Purified Band III Mouse Monoclonal Antibody (Q1/156). Confirmation of Purity and Integrity of Antibody.

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